Agriculture and Forestry Technical Work Group

Draft Policy Option: A2. Biomass Feedstocks for Electricity or Steam Production

1. Policy Description:

   a. Lay description of proposed policy action: *Displace fossil fuel usage through the use of agricultural waste (e.g., pecan waste, other crop residue) as a feedstock for electricity or steam production.*

   b. Policy Design Parameters:

      i. Implementation level(s) beyond BAU: *Program goal of using **X** tons of each crop residue as feedstock.*

      ii. Timing of implementation: *Tons of waste used as feedstock from 2006-2020, including tons of waste used in 2010 and 2020 and any necessary ramp up period. Tons of waste used as feedstock in 2050.*

      iii. Implementing parties:

      iv. Other

   c. Implementation Mechanism(s): Indicate which mechanisms are to be used, and describe the specific approach that is proposed

      i. Information and education

      ii. Technical assistance

      iii. Funding mechanisms and or incentives

      iv. Voluntary and or negotiated agreements

      v. Codes and standards

      vi. Market based mechanisms

      vii. Pilots and demos

      viii. Research and development

      ix. Reporting

      x. Registry

      xi. Other?

2. BAU Policies/Programs, if applicable:
    a. Description of policy/program #1
    b. Etc.

3. Types(s) of GHG Benefit(s):
    a. CO2: *Savings occur as a result of displacing fossil fuel use in the production of electricity or steam.*
    b. CH4: *Not applicable*
    c. N2O: *Not applicable*
    d. HFC's, SFC's: *Not applicable*
    e. Black Carbon: *Not applicable*

4. Types of Ancillary Benefits and or Costs, if applicable:
    a. *Increased costs associated with collecting and transporting biomass.*
    b. *Increased emissions associated with collection and transport*
    c. *Decrease in emissions in some cases – e.g. situations where open burning of residue is replaced by controlled combustion.*
    d. Etc.

5. Estimated GHG Savings and Costs Per $MMTCO_2e$:
    a. Summary Table of:
        i. GHG potential in 2012, 2020, 2050
        ii. Net Cost per $MMTCO_2e$ in 2012, 2020, 2050
    b. Insert Excel Worksheet showing summary GHG reduction potential and net cost

6. Data Sources, Methods and Assumptions:
    a. Data Sources
    b. Quantification Methods
    c. Key Assumptions

7. Key Uncertainties if applicable:
    a. Benefits
    b. Costs

8. Description of Ancillary Benefits and Costs, if applicable:
    a. Description of issue #1
    b. Description issue #2
    c. Etc.

9. Description of Feasibility Issues, if applicable:
    a. Description of issue #1
    b. Description of issue #2
    c. Etc.

10. Status of Group Approval:
    a. Pending
    b. Completed

11. Level of Group Support:
    a. Unanimous Consent
    b. Supermajority
    c. Majority
    d. Minority

12. Barriers to consensus, if applicable (less than unanimous consent):
    a. Description of barrier #1
    b. Description of barrier #2
    c. Etc.